

Glass Lens 가압성형의 열 변형에 의한 비구면 Lens 형상보정 (I)

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Form Error Compensation of Aspheric Lens considering Thermal Deformation on Glass Molding Press (I)

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Abstract : Recently, due to the tremendous growth of media technology, demands of the aspheric glass lens which is a high-performance and miniaturized is gradually increasing. Generally, the aspheric glass lens is manufactured by GMP(Glass Molding Press) method using WC(tungsten carbide) mold core. In this study, the thermal deformation which occurs in the cooling step of GMP was considered and it was compensated the form of mold core. The lens which was molded by compensated mold core was satisfied that can be applied to the actual specifications.

Key Words : Aspheric Lens, GMP(Glass Molding Press), Thermal Deformation, Form Error Compensation